MYCOLOGIA

OFFICIAL ORGAN OF THE MYCOLOGICAL SOCIETY OF AMERICA

VOLUME XLIX, 1957

Consisting of vi + 956 Pages, Including Figures

LANCASTER PRESS, INC., LANCASTER, PA.

INDEX TO VOLUME XLIX

INDEX TO AUTHORS AND TITLES

Anderson, R. F. See Hesseltine and Anderson 449

Anzalone, Louis and A. G. Plakidas. Cercospora leafspot of Photinia serrulata 412

Bakshi, B. K. Occurrence of mycorrhiza on some Indian conifers 269

Bandoni, R. J. The spores and basidia of Sirobasidium 250

Barnett, H. L. Hypoxylon punctulatum and its conidial stage on dead oak trees and in culture 588

- See Berry and Barnett 374

Batra, Lekh R. See Ramamurthi, Korf, and Batra 854

Baxter, John W. The genus Cumminsiella 864

Beneke, E. S. See Ringel and Beneke 636

Benjamin, C. R. See Hesseltine and Benjamin 723

- and C. W. Hesseltine. The genus Actinomucor 240

Bergman, Phyllis S. and Leland Shanor. A new species of Streptotheca 879

Berry, Charles R. and H. L. Barnett. Mode of parasitism and host range of Piptocephalis virginiana 374

Bistis, George N. A double-dish method of cultivating fungi 772

Bitancourt, A. A. See Jenkins and Bitancourt 95

Bourchier, R. J. Variation in cultural conditions and its effect on hyphal fusion in Corticium vellereum 20

Böventer, B. von. See Lowry, Sussman, and von Böventer 609

Bushnell, William R. Acidic metabolic products of Polyporus sulphureus 623

Butler, Edward E. Rhizoctonia solani as a parasite of fungi 354

Cantino, Edward C. and E. A. Horenstein. The stimulatory effect of light upon growth and CO₂ fixation in *Blastocladiella*. II. Mechanism at an organismal level of integration 892

Carmichael, J. W. Geotrichum candidum 820

Cash, Edith K. See Thind, Cash, and Sethi 831

— and Alma M. Waterman. A new species of Plagiostoma associated with a leaf disease of hybrid aspens 756

Coats, John H. See Porter and Coats 895

Cooke, Wm. Bridge. The genera Serpula and Mcruliporia 197

---. The Porotheleaceae: Porotheleum 680

Chupp, Charles. The possible infection of the human body with Cercospora apii 773

DeVay, J. E. See Kim, Geddes and DeVay 453

Diehl, William W. Fundamentals in mycology 167

Drechsler, Charles A nematode-capturing phycomycete forming chlamydospores terminally on lateral branches 387

Driver, Chas. H. Notes on Physalospora ilicis 442

Durie, E. Beatrix and Dorothea Frey. A new species of Trichophyton from New South Wales 401

El-Ani, Arif S., L. J. Klotz, and W. D. Wilbur. Heterothallism, heterokaryosis, and inheritance of brown perithecia in *Ceratostomella radicicola* 181

Emmons, C. W., Lie-Kian-Joe, Njo-Injo Tjoei Eng, A. Pohan, S. Kertopati, and A. Van der Meulen. Basidiobolus and Cercospora from human infections 1

Eng, Njo-Injo Tjoie. See Emmons et al. 1

Ervin, Marion D. The genus Sebacina 118

Fergus, Charles L. Myrothecium roridum on Gardinia 124

- Cylindrosporium leafspot of Spiraea 262

—, and William J. Stanbaugh. An irregular and unusual formation of mycelial mats by Ceratocystis fagacearum 761

Fischer, George W. See Meiners and Fischer 767

Foster, A. A. See Miller, Giddens, and Foster 779

Frey, Dorothea. See Durie and Frey 401

Geddes, W. F. See Kim, Geddes, and DeVay 453

Georg, Lucille K. See Kaplan and Georg 604

Giddens, J. E. See Miller, Giddens, and Foster 779

Greene, H. C. See Backus and Greene 151

Grosklags, James H. and Marjorie E. Swift. The perfect stage of an antibiotic-producing Cephalosporium 305

Hahn, Glenn Gardner. A new species of Phacidiella causing the so-called Phomopsis disease of conifers 226

Hale, Mason E., Jr. Conidial stage of the lichen fungus Buellia stillingiana and its relation to Sporidesmium folliculatum 417

Hansen, H. N. See Smalley and Hansen 529

Harding, Paul R., Jr. Notes on Longula texensis var. major 273

Hazen, Elizabeth L. Effect of temperature and nutrition upon macroconidial formation of Microsporum audouini 11

—. See Silva and Hazen 596

Hepting, George H. A rust on Virginia pine and Buckleya 896

Hesseltine, C. W. See Benjamin and Hesseltine 240

— and R. F. Anderson. Microbiological production of carotenoids. I. Zygo-spores and carotene produced by intraspecific and interspecific crosses of Choanephoraceae in liquid media 449

— and C. R. Benjamin. Notes on the Choanephoraceae 723

Horenstein, E. A. See Cantino and Horenstein 892

Jenkins, Anna E. and A. A. Bitancourt. Studies in the Myriangiales. VII. Elsinoaceae on evergreen Euonymus, rose and English ivy 95

Johns, Robert M. A new species of Physoderma on Dulichium 298

Johnson, G. T. Fatty acids as carbon sources for the growth of Spicaria violacea 172

Johnson, T. W., Jr. Marine mycology 300

- Marine fungi. III. Phycomycetes 392

Kaplan, William and Lucille K. Georg. A device to aid in the development of mycotic and other skin infections in laboratory animals 604

Karling, John S. Synchytrium decipiens and similar species 73

- New and unidentified species of Synchytrium. V. 740

Kertopati, S. See Emmons et al. 1

Kim, Ho Sik, W. F. Geddes, and J. E. DeVay. Studies on the synthesis of alpha-amylase and free amino acids by mutants of Aspergillus oryzae 453

Klotz, L. J. See El-Ani, Klotz and Wilbur 181

Korf, Richard P. Nomenclatural Notes. II. On Bulgaria, Phaeobulgaria and Sarcosoma 102

- Two bulgarioid genera: Galliella and Plectania 107

- See Ramamurthi, Korf and Batra 854

Kuehn, Harold H. Observations on Gymnoascaceae. IV. A new species of Arachniotus and a reconsideration of Arachniotus trisporus 55

 Observations on Gymnoascaceae. V. Developmental morphology of two species representing a new genus of the Gymnoascaceae 694

Lee, Wei Siang. Two new phalloids from Taiwan 156

Lentz, Paul L. Studies in Coniophora. I. The basidium 534

- Taxonomy of the pecan scab fungus 874

Lichtwardt, Robert W. Enterobryus attenuatus from the passalid beetle 463

—. An Enterobryus occurring in the milliped Scytonotus granulatus (Say) 734 Lie-Kian-Joe. See Emmons et al. 1

Linthicum, Betty. See Ziegler and Linthicum 160

Lowry, R. J., A. S. Sussman, and B. von Böventer. Physiology of the cell surface of Neurospora ascospores. III. Distinction between the adsorptive and entrance phases of cation uptake 609

Lowy, Bernard. A new Exidia 899

Lurie, H. I. and M. Way. The isolation of dermatophytes from the atmosphere of caves 178

Martin, G. W. A new species of Licea from Panama 439

—, K. S. Thind, and H. S. Sohi. The Myxomycetes of the Mussoorie hills. IV. 128

Meiners, Jack P. and George W. Fischer. Some new grass smut records from the western states. III. 767

Meyers, Samuel P. Taxonomy of marine pyrenomycetes 475

Miller, Julian H. Elsinoe on southern red oak 277

—, J. E. Giddens, and A. A. Foster. A survey of the fungi of forest and cultivated soils of Georgia 779

- and L. W. Nielsen. A new species of Xylaria 112

Mishra, J. N. Ustilaginales of Bihar. III. Some new and interesting smuts 256

Moore, Royall T. Index to the Helicosporae: Addenda 580

Nielsen, L. W. See Miller and Nielsen 112

Olive, Lindsay S. Tulasnellaceae of Tahiti. A revision of the family 663

Pady, S. M. Quantitative studies of fungus spores in the air 339

Plakidas, A. G. See Anzalone and Plakidas 412

Pohan, A. See Emmons et al. 1

Porter, C. L. and John H. Coats. Protoplasmic connections between cells in sclerotia of certain Aspergillus and Penicillium species 895

Ramamurthi, C. S., Richard P. Korf, and Lekh R. Batra. A revision of the North American species of *Chlorociboria* (Sclerotiniaceae) 854

Raper, Kenneth B. Nomenclature in Aspergillus and Penicillium 644

—. The golden anniversary of the Centraal Bureau voor Schimmelcultures —1907-1957 884. Ringel, Samuel M. and E. S. Beneke. The inactivation of pyridinethione, an antifungal agent, by glucose 636

Ritchie, Don and J. J. Zarriello. Ear fungi 159

Rogers, Donald P. Kordyanella 902

Ross, Ian K. Capillitial formation in the Stemonitaceae 809

Rothwell, Frederick M. A further study of Karling's keratinophilic organism 68 Routien, John B. Fungi isolated from soil 188

Shaffer, Robert L. Volvariella in North America 545

Shanor, Leland. See Bergman and Shanor 879

Silva, Margarita. The parasitic phase of the fungi of chromoblastomycosis: development of sclerotic cells in vitro and in vivo 318

Smalley, Eugene B. and H. N. Hansen. The perfect stage of Gliocladium roseum 529

Sohi, H. S. See Martin, Thind, and Sohi 128

Sparrow, Frederick K. Observations on chytridiaceous parasites of phanerogams.
VI. Resting spore germination in Physoderma (Urophlyctis) pluriannulatum 426

Sprague, Roderick. Some leafspot fungi on western gramineae. XI. 837

Stanbaugh, William J. See Fergus and Stanbaugh 761

Stewart, Robert B. An undescribed species of Pyrenochaeta on soybean 115

—. Leaf blight and stem dieback of coffee caused by an undescribed species of Ascochyta 430

Sussman, Alfred S. Physiological and genetic adaptability in the fungi 29—. See Lowry, Sussman, and Von Böventer 609

Swift, Marjorie E. See Grosklags and Swift 305

Taschdjian, Claire L. Routine identification of Candida albicans: current methods and a new medium 332

Thiers, Harry D. The agaric flora of Texas. I. New species of agarics and boletes 707

Thind, K. S. See Martin, Thind, and Sohi 128

—. Edith K. Cash, and J. S. Sethi. The pezizaceae of the Mussoorie hills (India). V. 831

Townsend, G. Fred. A method for inducing glycogen formation in the cells of Saccharomyces cerevisiae 440

Tubaki, K. Biological and cultural studies of three species of Protomyces 44

Van der Meulen, A. See Emmons et al. 1

Verdcourt, Bernard. A note on the changes in color in the Aspergillus niger group due to the proximity of a degenerate mucor 299

Waterman, Alma M. See Cash and Waterman 756

Way, M. See Lurie and Way 178

Wehmeyer, L. E. The genera Saccothecium, Pringsheimia, Pleosphaerulina and Pseudoplea 83

Whiteside, W. C. Perithecial initials of Chaetomium 420

Wilbur, W. D. See El-Ani, Klotz, and Wilbur 181

Wolf, F. A. Is Mycotypha a phycomycete? 280

Zarriello, J. J. See Ritchie and Zarriello 159

Ziegler, A. W. and Betty Linthicum. A note on the occurrence of certain aquatic fungi in Florida 160

INDEX TO BIOGRAPHIES, REVIEWS, AND NOTICES

Ahmad, Sultan. Fungi of West Pakistan; review 447

Backus, M. P. and H. C. Greene. Edward M. Gilbert: 1875-1956 151

Barner, J. Bibliographie der Pflanzenschutz-Literatur; notice 303, 778

Beneke, E. S. Medical Mycology-Laboratory Manual; review 776

Bessis, M. See Polycard, Bessis and Loquin 907

Bohus, G., Z. Kalmar, and G. Ubrizsy. Magyarország Kalaposgombáinak; review 777

Cjep, K. Houbi I; review 778

da Silva Lapaz, Carlos. Manual de Micologia; review 302

Dick, Esther A. See Snell and Dick 446

Dickson, James G. Diseases of Field Crops; review 301

Fehér, D. Talajbiólogia; review 608

Fischer, G. W. and C. S. Holden. Biology and Control of the Smut Fungi; review 607

Gilman, Joseph C. A Manual of the Soil Fungi; review 445

Hawker, Lilian E. The Physiology of Reproduction in Fungi; review 905

Hiratsuka, Naohide. Uredinological Studies; review 608

Holden, C. S. See Fischer and Holden 607

Holm, Lennart. Études Taxonomiques sur les Pléosporacées; review 906

Hopkins, J. C. F. Tobacco Diseases; review 445

Horsfall, James G. Principles of Fungicidal Action; review 164

International Code of Botanical Nomenclature; notice 301

Kalmar, Z. See Bohus, Kalmar, and Ubrizsy 777

Keitt, G. W. Benjamin Minge Duggar: 1872-1956 434

Loquin, M. See Polycard, Bessis, and Loquin 907

Martin, G. W. Suggestions for contributors to Mycologia 161

Munk, Anders. Danish Pyrenomycetes; review 906

Polycard, A., M. Bessis, and M. Loquin. Traité de Microscopie, Instruments et Techniques: review 907

Raper, Kenneth B. Charles Thom 1872-1956 134

Silva, Margarita and Elizabeth L. Hazen. Rhoda Williams Benham: 1894-1957

Snell, Walter H. and Esther A. Dick. A Glossary of Mycology; review 446

Spicer, C. C. See Williams and Spicer 904

Stevenson, John A. Cornelius Lott Shear 283

Tobacco Abstracts: notice 922

Ubrizsy, G. See Bohus, Kalmar, and Ubrizsy 777

Viennot-Bourgin, G. Mildious, Caries, Charbons, Rouilles des Plantes de France; review 165

Williams, R. E. O. and C. C. Spicer (eds). Microbial Ecology; review 904

INDEX TO TAXA

New taxa and the pages where they are published are in bold face type. An attempt has been made to correct mistakes in the spelling of scientific names where mistakes occur in the text.

Absidia 240, 726, 781, 802; butleri 784, 802; corymbifera 1; cylindrospora 382, 802; glauca 247; orchidis 382; spinosa 784, 802

Achlya 383

Acremonium vitis 784 Acrosporium candidum 826

Acrostalagmus 805

Actinomucor 240; corymbosus 241, 244; corymbosus fa. palaestina 241, 245; elegans 241, 242, 244-247; repens 241, 244

Actinoplanes 69

Aecidium butlerianum 868; magellanicum 867

Agaricus trib. Volvaria 547; bomby-cinus 558; emendatior 553, 555; gloiocephalus 556; hypopithys 572; loveianus 574, 575; parvulus 570; pubescentipes 572, 573; pusillus 570; speciosus 553; surrectus 574; taylori 565; virgatus 563; volvaceus 563

Aleurodiscus 534

Allescheria boydii 598

Allomyces arbuscula 12; macrogynus 38 Alternaria 117, 344-349, 351, 352; humi-

cola 784; longipes 446; tenuis 785 Amanita 721; abrupta 720; aestivalis 720; alba 719; citrina 720; phalloides 720; porphyria 720; pusilla 570; salmonea 720; speciosa 553; virgata 563; virosa 720

Amanitopsis 546 Amaurodon viridis 541

Ambylosporium botrytis 355, 361, 363,

Amerosporium trichellum 100

Amphisphaeria 479, 492; biturbinata 492, 493; maritima 492, 493; posi-doniae 492, 493

Amylirosa aurantiorum 903 Amylomyces heterspermum 903 Anisolpidium ectocarpi 392

Antennospora 477, 480, 501; caribbea 477, 478, 501-503, 504

Aphanomyces cochlioides 362; euteiches

Arachniotus 55, 694, 701–705; aureus 56, 58, 66, 702, 703; candidus 56, 57, 65, 66, 701–703; citrinus 58, 66, 699, 700; reticulatus 57, 58, 61, 64, 66, 703; ruber 55, 703; trachyspermus 58, 703, 704; trisporus 55, 702 Arenariomyces 477, 480, 504, 506, 508; cinctus 508; quadri-remis 505; salina 477, 478, 502, **505**, 506; trifurcatus 504–506, 508

Arthopyrenia sublitoralis 520, 522 Ascobolus sect. Ascozonus 882; crouani

Ascochyta 430; salicifoliae 265; sorghi 884; tarda 430, 431, 433; utahensis 844

Ascotremella 102

Ascozonus 882; crouani 882

Ascozolius 134, 137, 139, 140, 159, 300, 345, 347, 348, 352, 453, 454, 588, 644, 780, 788, 801-805, 895; alliaceus 896; amstelodami 647-649, 785; awamori amstelodami 047-049, 785; awamori 454; brevipes 653; caespitosus 650, 652; candidus 645, 652, 896; carneus 785; citrosporus 647, 651; clavatus 383, 785; conicus 785; fischeri 651; flavipes 159, 652, 785; flavus 33, 159, 363, 370, 645, 785, 896; flavus-oryzae 652; fumigatus 1, 175, 363, 370, 647, 650, 651, 653, 777, 785; giganteus 363; glaucus 140, 645, 647, 648, 650, 652, 653; janus 785; japonicus 300; 652, 653; janus 785; japonicus 300; nidulans 39, 140, 647, 650 653; niger 32, 33, 38, 39, 139, 159, 175, 299, 363, 379, 383, 453, 652, 785, 896; ochraceus 652, 785; ornatus 647, 651; oryzae 453; paradoxus 652; proliferans 648; restrictus 648, 653; ruber 648; rugulosus 379, 383, 785, 803; sclerotiorum 896; silvaticus 651-653; sydowi 652, 785; tamarii 785; terreus 33, 453, 647, 651, 652, 785; unguis 650; ustus 651–653, 785; versicolor 651-653, 785; wentii 648, 652, 654

Asterostroma 534 Auricularia 667; pulverulenta 210

Badhamia 817

Basidiobolus 1; lacertae 5; ranarum 2, 3, 5, 6, 9, 10

Basidiobotrys 588, 591-594, 764, 765;

clautriavii 765; griseus 765 Beauveria 598, 601

Betacoccus arabinosaceus 33

Blakeslea 723, 732; circinans 449, 723-725, 733; trispora 449, 723, 724, 727 Blastocladia 161; pringsheimii 161

Blastocladiella 36, 37, 892; emersonii 892, 894

Blastomyces 598; dermatiditis 30

Boletus arboreus 207; affinis 709; byssinus, 684; fimbriatus 684; hypoxanthus 708; lacrimans 202; pezizoides 684; roseibrunneus 707; silvaticus 708

Botryosphaeria 287 Botryotrichum 905

Botrytis 280, 282; bifurcata 785, 789, 790; cinerea 33, 34, 379; dichotoma

789; geotricha 826

Bourdotia 119-122; caesio-cinerea 122; cinerea 122; deminuta 122; eyrei 122; galzinii 119, 122; pululahuana 120; pululahuana subsp. caesia 122; pululahuana subsp. galzinii 122 Brachybasidium 902

Bulgaria 102; celebica 108; globosa 102, 103; inquinans 103, 105, 766; melastoma 103, 109; pellucens 102; pura 102; rufa 103, 107, 108; sarcoides 102

Buellia stillingiana 417

Burcardia 102, 105; globosa 102; turbinata 103

Burkardia 102

Byssochlamys 63, 65, 66, 694, 702, 704, 705; fulva 65, 703, 704; nivea 59, 62-66, 703, 704; trisporus 59, 65

Calicium 417

Calycina melastoma 109 Candida 52, 333, 334, 336, 598, 785; albicans 332, 598, 776; guillermondi 333, 334; krusei 333, 334, 598; parakrusei 333, 334; parapsilosis 598; pseudotropicalis 333, 334; stellatoidea 333, 334, 337; tenuis 777; tropicalis 333, 334, 598

Cantharellus viridis 859

Carpenteles 656, 787, 803; asperum 656 Cephalosporium 189-191, 305, 306, 804, 805; acremonium 785; salmosynne-matum 305-307, 309, 311, 315, 316

Cephalothecium 346, 352 Ceratocystis fagacearum 761

Ceratosphaeria 489, 519

Ceratostomella 186; fimbriata 186; paradoxa 186; radicicola 181; subsalsa 520 Cercospora 1, 345, 347, 352, 412, 774, 874–876; apii 2, 4, 6, 8–10, 773, 774; beticola 8; eriobotryae 412-414; het-eromeles 412-414; nicotiana 8, 446; photiniae-serrulatae 413, 415

Ceriospora 497

Ceriosporopsis 476, 480, 495, 497, 498, 501; barbata 497, 498; cambrensis 498, 500; halima 477, 478, 487, 497-500; hamata 498

Ceuthospora 238

Chaetomella 192; atra 193; oblonga 193; raphigera 192-194

Chaetomium 141, 420, 782, 905; ampullare 784; aterrimum 423; aureum 193, 422-424; bostrychodes 421; brasiliense 193, 422-424; caprinum 421; cochliodes 421; crispatum 420; dolichotrichum 423; funicolum 423; fusiforme 784; globosum 370, 420-424, 784; indicum 420; kunzeanum 420-422; murorum 420, 421, 423; pachypodioides 423; ochraceum 423; seminudum 193; spirale 420; trigonosporum 193

Chalara mycoderma 827

Chalaropsis 181, 184

Chloridium apiculatum 785, 789, 790; glaucum 792

Chlorociboria 854, 857; aeruginascens 857, 858, 859; aeruginella 857,859; aeruginosa 854, 857-859; bulgarioides 858,860, 861; rugipes 856, 858, 859, 860; strobilina 854-856, 860, 861; versiformis 854-856, 858-860

Chlorospleniella 102

Chlorosplenium 854; aeruginascens 856, 858; aeruginosum 856, 859; bulgarioides 862; chlora 854; puiggarii 858; viride 859

Choanephora 723, 726, 727, 731–733; circinans 724–726, 729, 732, 733; conjuncta 449, 451, 723, 727–733, 784, 802; cucurbitarum 375, 379, 380, 382, 449, 451, 728-732, 802; infundibulifera 731, 732; persicaria 726; trispora 382, 449, 451, 727-729, 731, 732

Chromocyphella 682

Chytridium 393, 395, 396, 399; polysiphoniae 392, 393, 395, 399 Ciboria 855; rufo-fusca 862

Ciborinia whetzelii 756, 760

Circinella minor 382; simplex 362 Circinoconis 585; paradoxa 580

Cladonia squamosa 417 Cladosporium 326, 327, 342, 346-348, 350, 351, 383, 782, 801, 802, 847; carpophilum 875; effusum 874; herbarum 785, 804, 875-877

Claviceps purpurea 840

Clavaria 153; laciniata 118 Clitocybe nebularis 575

Coemansia 383, 385, 386; pectinata 383,

Cokeromyces recurvatus 382

Colletotrichum 287; aquatilis 838; cof-feanum 431; falcatum 839; gramini-cola 785, 838, 839; phomoides 636, 638, 640, 641

Collybia velutipes 383

Comatricha 801, 812, 813, 815-818; typhoides 809, 811

Conidiobolus villosus 784, 802 Coniochaeta leucoplaca 193

Coniophora 197, 198, 200, 201, 215, 216, 534; alboflavescens 538, 539, 542, 543; arida 534, 535, 539, 542; atrocinerea 542; betulae 542; byssoides 542; cerebella 198, 536, 542; corrugis 542; dryina 542, 543; ellisii 543; flavobrunnea 536, 537, 543; fusispora 540, 543; janthinospora 222; kalmiae 537, 539, 541, 543; laeticolor 541–543; laxa 537, 543; leucothrix 543; lurida 543; macra 543; membranacea 210, 543; membranacea β leioplaca 210; mustialaensis 538, 540-542, 544; ochroleuca 541–543; olivacea 536, 542–544; olivascens 538, 540, 542–544; papillosa 540, 543; prasina 543; prasinoides 543; puteana 198, 534–536, 542, 543; sistotremoides 539, 543; subcinna-momea 543; suffocata 539, 543 Coniophorella 197, 198, 201, 542, 544 Coniothyrium 785; fuckelii 363, 785 Coprinus fimetarius 363

Coprotrichum cinereum 827; purpuras-

cens 827

Cordana pauciseptata 193 Corticum 121, 197, 534, 542, 544; caesium 118; corruge 542; incrustans 118, 122; vellereum 20 Coryne 102

Craterellus caespitosus 860

Cronartium 896-898; appalachianum 898; comandrae 899; ribicola 226 Cryptococcus 52, 598; neoformans 30 Cryptomyces 237

Cryptostroma corticale 594

Cumminsiella 864; antarctica 865 868; mirabilissima 864, 865, 870, 871; sanguinea 870; standleyana 865, 866, 869; **stolpiana** 865**-867**, 868; texana 865, 866, 868, 869, 872; wootoniana 865, 871, 872

Cunninghamella 245, 781, 801; echinata 362; echinulata 382, 784, 802; elegans 382, 784

Currevella 91

Curvularia 346, 352, 782; geniculata 785; lunata 785; trifolii 785

Cyathus 363

Cylindrocarpon radicicola 785 Cylindrocladium acoparum 785

Cylindrosporium 262; fairmanianum 264; filipendulae 264–266; salicifoliae 264, 265; spiraeicolum 264, 265

Cyphella grisella 688; poriaeformis 688 Cystoderma ambrosii 722; cinnabarinum 722; granulosum 722; texense 721, 722

Cystopage 387, 391; cladospora 387– 390; ellipsospora 387, 390; inter-calaris 387, 389, 390; lateralis 387,

389-391; sphaerospora 387, 390; subtilis 387 Cytispora pyri 238

Dacrymyces 902 Dactylaria 191; lutea 190, 191, 193, 195; orchidis 191

Dactylella spermatophaga 363

Dendrocalamus cinnabarina 157; duplicata 156; indusiata 156; phalloidea 156

Diachea 818 Diatrype stigma 594, 766

Dictyophora cinnabarina 156 Dictyostelium 815

Didymella conchae 520; corni 87

Didymium 817 Didymosphaeria 481, 482, 907; fucicola

481, 482; maritima 481; pelvetiana 482

Dilophospora alopecuri 840

Diplocarpon 523 Diplodia 287 Diplodiella 193

Diplostephanus 650

Discula 238; pinicola 227, 230 232; pinicola var. mammosa 230; pyri 238 Dispira cornuta 363, 368, 374, 380, 382-385

Dothichiza 193

Dothidella 481; aristidae 839; laminariae 480, 481; pelvetiae 480, 481 Dothiorella 287

Drepanospora 581; pannosa 581, 582

Eccrina 734, 739; longa 734, 739; moniliformis 734, 735, 739

Eccrinopsis 472, 473 Ectrogella 398; perforans 397, 398 Eichleriella 119

Eidamella 55

japonici 95, 277; corni 279; eunonymi-japonici 95, 97; magnoliae 279; quercus-falcatae 277-279; rosarum 98

Emericella 650, 651; variecolor 650 Emericellopsis 306, 307, 309, 316; humicola 307, 311-313, 315; minima 306, 311-313, 315; mirabilis 192, 193, 306, 307, 311, 313, 315; salmosynnemata 305, 307, 309, 311–313, 315, 316; terricola 306, 307, 309, 311–313, 315; terricola var. glabra 306, 310–313, 315, 316

Endoconidiophora fagacearum 379, 594 Endodothella 481; laminariae 480

Endogone malleola 383, 385, 386 Endomyces albicans 598; lactis 827, 829; lactis var. matalensis 828

Endothia 287; parasitica 288 Enterobryus 465, 469, 472, 473, 734, 738, 739; attenuatus 463, 739; compressa

473; elegans 472, 739; moniliformis 736-738, 739

Entodesmium 907 Epicoccum nigrum 785 Epicymatia balani 485

Epidermophyton floccosum 178, 777 Erysiphe 346, 351, 352; graminis 839 Eupenicillium 656

Eurotium 645, 646, 648, 649, 651 Exidia 899; subg. Exidiopsis 121, 122; cartilaginea 900, 901; effusa 121, 123;

hispidula 899–902; villosa 902 Exidiopsis 120–123; fugacissima 123; molybdea 123; podlachica 123; pro-lifera 123; sublilacina 123

Fimetaria 191; humana 193; macrospora 193

Fistulina 680

Fomes igniarius 363

Fonsecaea compacta 321, 322, 326, 328; pedrosoi 321, 325, 329; pedrosoi var. cladosporioides 321, 322; pedrosoi var. communis 321–323, 325, 326, 328; pedrosoi var. pedrosoi 321, 322; pedrosoi var. phialophorica 321, 322

Fuckelia conspicua 238 Fusarium 344–347, 350, 352, 782, 788, 801, 802, 804; lateritium 785; lini 363, 370, 372; moniliforme 785; nivale 785, 848; oxysporum 785; oxysporum fa. medicaginia 379; solani 785; tricinctum 786

Fusicladium 875-877; caryigenum 874, 876, 877; dendriticum 875; effusum 874, 876, 877; pyrinum 875-877; pyrorum 875; virescens 875

Fusidium 786; moniliforme 796; terricola 786, 794, 796

Fusoma ribricosa 851

Galiella 103,107; celebica 108; javanica 108; rufa 108; thwaitesii 108 Galzinia 534

Gelasinospora 803

Geotrichum 333, 786, 820; asteroides 821, 828; candidum 792, 820; candidum var. fragrans 829; candidum var. klebahnii 829; cinereum 827; cinnamomeum 792; flavo-brunneum 786, 790, 792; javanense 821, 828; matalense 821, 827; matalense var. chapmani 821, 828; nyabisi 828; mycoderma 827; pulmoneum 826; pur-purascens 827; versiforme 821, 828 Gloeocalyx 103, 108-110; bakeri 104,

Gloeocercospora sorghi 851 Gloeosporium 287; meinersii 847, 848,

Gloeotulasnella 251, 663, 668-671, 673; aggregata 677; calospora 669; caroliniana 676; cystidiocarpa 676; cystidiophora 678; hyalina 666-668; meta-chroa 678; opalea 677; rogersii 670, 677; papillata 670, 676; pinicola 670; traumatica 677

Gliocladium 529, 533, 782, 801; catenu-latum 786; deliquescens 793; flavo**fuscum** 786, 791, **793**; penicilloides 529, 793; roseum 529, 786; **virens** 786, 791, **792**, 793

Gliomastix convoluta var. felina 786 Glomerella 443; cingulata 33, 34, 37, 183, 287, 379, 443

Glomerula 240, 241, 243; repens 241, 243, 244

Gnomonia 759 Gnomoniella 759

Godronia cassandrae 288

Gonopodya polymorpha 161; prolifera

Grandinia 220

Griphosphaeria 90, 92; corticola 85, 90,

Guepinia spathularia 383

Guignardia 479, 483, 484, 521; alaskana 483, 484; gloeopeltidis 484, 520; ir-

ritans 483, 484; prasiolae 483, 484; tumefaciens 483, 484; ulvae 483, 484 Gymnoascus 55; aureus 702; candidus 56, 701, 702; flavus 704; reessii 55, 56; ruber 55, 702; sudans 59, 702

Gyrodontium 197, 198, 201

Gyrophana 197, 201; himantioides 209; janthinospora 222; lacrimans 209; lacrymans 202; pinastri 210; pseudolacrymans 213; pulverulenta 210, 212; similis 213; umbrina 208, 209

Gyrophora 201; janthinospora 2, lacrymans 202, 207; umbrina 207 Gyrophragium 273, 276; decipiens 276

Hainesia 192

Halophiobolus 510; cylindricus 512; halimus 509, 514; longirostris 514; maritimus 509, 518; medusa 509, 516; opacus 514; salinus 514

Halosphaeria 480, 507, 509; appendiculata 507

Helicodendron 580

Helicoma 585; acrophalerium 583, 584, 586; interveniens 586; isiola 580. 584, 585; limpidum 586; salinum 499; stigmateum 580, 585; taenia 586; tenuifilum 586

Helicomyces 587; bellus 583; fuscipes 583; lilliputeus 583, 587

Helicosporium 581; decumbens 582, 586; elinorae 582, 586; griseum 586; hendrickxii 581; neesii 582, 583, 586; nematosporum 582; pallidum 586: panacheum 581; pannosum 582, 586;

phragmitis 586; ramosum 586; serpentinum 581, 582 Helicostylum 382

Helminthosporium 7, 345, 347, 352, 786; avenae 847, 848; dictyoides 848; oryzae 363, 370; rostratum 786; sativum 363, 379, 786; spiciferum 786; stenacrum 851; tritici-repentis 843 Helotium aeruginellum 859; aerugino-

sum 859; rugipes 857, 859, 860 Helvella aeruginosa 857

Henningsomyces grisellus 688; incana 692; poriaeformis 688; porioides 688; urceolatus 688

Heterochaete 118; dubia 121 Heterochaetella 119-121; crystallina 121; dubia 121

Heterosporium 346, 352, 362; avenae 848; phlei 851

Hirneolina 119

Histoplasma capsulatum 30, 319

Hormodendrum 326; cladosporioides 804; pedrosoi 777

Humaria 831, 834, 835; bulgarioides 862; mussooriensis 832, 834, 835 Humarina 831, 835; cacarina 832, 833-835

Humicola 905

Hydnum pinastri 207, 210; sordidum 207, 210

Hymenella 902

Hypocrea 439; citrina 692

Hypoderma 479, 482, 483; laminariae 482, 483

Hypomyces 532; aureo-nitens 529, 533; broomeanus 533; ochraceus 533; solani fa. cucurbitae 186; terrestris 533 Hyponectria 482

Hypoxylon atropunctatum 765; punctulatum 588; tinctor 594

Ionomidotis 855 Itersonilia 383

Jaapia 197, 198, 201

Keratinomyces ajelloi 401, 409, 410 Kordyana 902 Kordyanella 902; austriaca 902

Lachnea 834, 835 Lactarius affinis 711; albolutescens 711; albus 712; chrysorheus 712; cilicioides 712; controversus 712; croceus 712; cystidiosus 714, 715; echinatus 716-718; eburneus 715; hygrophoroides 715; isabellinus 712; htteolus 716; mordax 710; obnubi-loides 718, 719; obnubilus 719; piperatus 711, 713; rimosellus 711; scrobiculatus 712; subvellereus 714; subvelutinus 716; theiogalus 712; vellereus 714; volemus 715, 717; xanthydrorheus 712

Laestadia prasiolae 483

Lagenidium 393, 396, 399; callinectes 397; closterii 396; giganteum 396; marchalianum 396

Lamproderma 131, 809, 815-818; arcyrioides 809, 810, 813; muscorum 131; verrucosum 130

Lanzia rugipes 859

Lasiosphaeria elinorae 582; nematospora 581

Lempholemma minutulum 417

Lentescospora 479, 495; submarina 495 Lentinus lepideus 363

Lepiota avellanea 575 Leptomitus lacteus 175

Leptosphaeria 88, 92, 346, 352, 479, 494, 495, 841, 907; albopunctata 494, 495; chondri 495; corticola 85; discors 494; doliolum 907; halima 494; incarcerata 494; marina 494, 495; maritima 494, 495; microscopica 840; nigrans 840; orae-maris 494; spartinae 494; sticta 494 Leptospora 907

Leptotus 682

Levispora 189, 195; terricola 189-191, 193, 195

Licea tuberculata 439

Lignilla pinicola 227, 230, 235 Lignincola 476, 479, 487, 488; laevis

477, 478, 486-488 Linocarpon 509; halima 514; maritimus

518; medusa 516 Longula 273; texensis var. major 273;

Longula 2/3; texensis var. major 2/3; texensis var. texensis 276
Lulworthia 476, 480, 501, 509–514, 518, 519, 521, 522; cylindrica 512, 513; floridana 477, 478, 503, 512, 515; fucicola 509, 512, 513; grandispora 57, 512, 513; halima 509, 512, 514, 515, 517; longirostris 514; longispora 516, 517; medusa 509, 512, 516, 517, 519, 521; medusa var. biscaynia 477, 512, 516; opaca 514; salina 512, 514

516; opaca 514; salina 512, 514 Maireomyces 521; peyssoneliae 521 Marasmius 803

Marssonina 760 Masoniella grisea 786 Massaria corni 86

Massariella 479, 492; maritima 492 Massarina 90, 907

Mastigosporium rubricosum 851 Megacladosporium 875

Melampsora 73, 86, 91, 760 Melanoma 907

Melanopsamma 479, 484, 485; balani 485; cystophorae 485; tregoubovii 484, 485; tregoubovii var. cutleriae 487; tregoubovii var. cystoseirae 487

Melanospora episphaeria 784, 803 Melasmia 238 Memnoniella echinata 786

Meruliporia 197, 198; incrassata 198, 222

Merulius 197, 201, 205, 222, 542; americanus 199, 206, 208; atrovirens 216; aurantiacus 203; binominatus 212; brassicaefolius 202, 204, 206; bys-soideus 217; campbelli 204; candicans 210, 211; carbonarius 209; carmichaelianus 221; chlorinus chrysobaphus 211; consimilis 212, 213; crassus 218; destruens 202; domesticus 202, 206; debrisicola 221; mesticus 202, 206; debrisicola 221; fus-cesens 216; eurocephalus 212; fus-cesens 219; fuscus 218; gelatinosus 208, 209; giganteus 212, 213; guille-moti 202, 204, 207; hexagonoides 217; himantioides 206, 207, 209, 210; hyd-noides 210; illudens 214; imperfectus 215; incrassatus 222, 223; infundibuli-formis 221; insignis 212, 213; irperformis 221; insignis 212, 213; irpcinus 210, 211; lacrimans 201, 202; lacrymans 26, 199, 204, 206, 213, 216; lacrymans fa. terrestris 202; lacrymans var. fragricus 209; lacrymans var. terusisimum 207, 209; lacrymans var. terrestris 202, 204; lacrymans var. verrucifer 202; melanoceras 221; minor 206, 210, 212; papyraceus 207; pinostri 210, p pinastri 210; pinorum 210; polychromus 208, 209; pseudolacrymans 212, 213; puiggarii 220; pulverulentus 210; rubellus 197; rugosporus 214; sclerotiorum 206; sessilis fa. pileata 212; silvester 199, 206, 208; similis 212; silvester 199, 206, 208; similis 212; sordidus 220; spissus 222, 224; squalidus 207; subambiguus 212, 213; subchlorinus 212; tenuis 207, 209; tenuissimus 207; terrestris 203, 206; tessellatus 212, 213; tignicola 210, 212; tremellosus 197, 221; umbrinus 207, 212; vastator 202, 220; vastator β hydnoideus 202; versiformis 220; valostromaticus 686, 687, 687 xylostromaticus 686, 687

Metarrhizium anisopliae 786, 804 Metasphaeria 90, 91, 93, 479, 489; australiensis 489; corticola 85, 89, 90; discors 494; sepincola 89–91; sepin-

cola fa. crataegi 90 Microascus trigonosporus 192, 193 Micrococcus pyogenes var. aureus 316 Microsporum 11; audouini 11; gypseum 178–180, 401, 409, 777

Microstoma 108 Microtypha 281, 282; saccharicola 281 Midotis 855; versiformis 860 Mindeniella 161; spinospora 161 Monascus purpureus 379, 383 Monilia 346, 352, 786; asteroides 828; psilosis 598; pulmonea 826; sitophila 288

Monoblepharis polymorpha 161 Monosporium apiospermum 777 Monotospora 786, 804; brevis 804

Mortierella 385, 386, 802; bainieri 383, 784; candelabrum 383; isabellina 784, 802; jenkini 379, 383; marburgensis 383; minutissima 383; polycephala 383; pusilla 379, 382, 385, 386; ramanniana 385, 784; simplex 383; tuberosa 383; vinacea 784, 802

Mucor 240, 244, 245, 248, 299, 357, 726, 781, 801, 802; botryoides 241, 244, 247; botryoides var. minor 241, 245; corymbosus 241, 244; cunninghamelloides 241; flavus 362; fragilis 784; genevensis 362, 382; glomerella 247; glomerula 241, 244; harzii 241, 244; hiemalis 375, 382; mucedo 175, 784; ramannianus 375, 382, 385; recurvus 357–360, 362, 365–372; repens 241; spinescens 382; varians 382
Muellerella nigra 192, 193
Mycaureola 479, 482; dilseae 482;
Mycaureola 479, 482; dilseae 482;
Mycaureola 479, 482; dilseae 482;

Muellerella nigra 192, 193 Mycaureola 479, 482; dilseae 482; Mycoderma asteroides 828; issavi 828; kieta 828; lactis-butyri 827; maltijuniperi 826; matalense 827; muyaga 828; myabisi 828; pulmoneum 826 Mycosphaerella 431, 479, 488; asco-

Mycosphaerella 431, 479, 488; ascophylli 488, 489; clallamensis 837, 838, 850; coffeicola 431; deschampsiae 838; pelvetiae 488, 489

Mycotypha 280; dichotoma 280, 281; microspora 280, 281, 381, 382, 384 Myrothecium roridum 124, 193, 786; verrucaria 32, 37, 38, 786, 804 Myxofusicoccum 238

Myxofusicoccum 238 Myxophacidiella 238 Myxotrichum 55

Nectria 529, 532; **gliocladioides** 531- **533**; vulgaris 532 Nectriella 796 Neobulgaria 102 Neocosmospora vasinfecta 784, 803 Neurospora 288, 609, 803; crassa 31-34, 37; tetrasperma 32, 611, 613, 615, 617-621, 784, 803 Nigrospora 346, 352 Nocardia minutissima 777 Nodulosphaeria 907

Odontia sudans 692 Oedocephalum 280, 281 Oidium aceticum 827; asteroides 828; camemberti 827; lactis 827; lactis var. luxurians 827; matalense 827; nubilum 824; obtusum 827; pulmoneum 826

Nummularia bulliardii 765

Olpidiopsis 393, 397-399; andreei 398; sphacellarum 398

Olpidium 395, 398, 399; aggregatum 394; entophytum 393, 394, 399; entosphaericum 395

Ombrophila strobilina 862

Omphalia flavida 363

Oospora alba 827; asteroides 828; camemberti 827; fragrans 828; fragrans var. minuta 821, 828; lactis 827; matalensis 827; nubila 827; pulmonea 826

Oosporidea lactis 827

Oothecium 193

Ophiobolus 480, 509, 518, 519, 521, 522, 907; halimus 514; kniepii 521, 522; laminariae 518; littoralis 522; maritimus 509, 518; medusa 516, 518, 519; medusa var. minor 518, 519; salinus

Ophiostoma multi-annulatum 33 Orcadia 479, 482, 493; ascophylli 493; pelvetiana 493 Ostracoblabe implexa 522 Otthiella 485; cystophorae 485

Ovularia pusilla 848, 849

Paecilomyces 529: varioti 786

Palomyces 504, 506; quadri-remis 505 Patella 834, 835; gilva 836 Paxina nigrella 109 Pellicularia 542; filamentosa 355, 784,

803; ochroleuca 541, 543 Penicillium 65, 134, 137, 139, 140, 345, 347, 348, 352, 529, 533, 644, 780–782, 787, 788, 800–805, 895; aculeatum 786; asperum 655; aurantiacum 786, 795, **797**; aurantio-candidum 799; brefeldianum 656; camemberti 137; candidum 653; chrysogenum 383, 453, 786; citreo-viride 786; citrinum 786; claviforme 786; corylophilum 786; crustosum 786; cyclopium 786; decumbens 786; expansum 379, 383, 653, 786; frequentans 786; funiculosum 786; fuscum 786; gladioli 896; glau-cum 175, 288, 653, 655, 656; herquei 786, 798; humili 800; janthinellum 786; javanicum 655, 656; jenseni 787; lanosum 787; lilacinum 787; luteum 138, 653, 655, 656, 704; martensii 787; multicolor 787; nigricans 787; no-tatum 140; nova-zeelandiae 895; oxalicum 363, 370, 787; palitans 175; pallidum 797; puberulum 787; pur-purogenum 138, 787; purpurogenum var. rubri-sclerotium 895; raistrickii 655, 787, 804, 896; restrictum 787; roqueforti 137, 363, 370; rubricundum 787, 797, 798; rubrum 140, 787; sclerotiorum 896; simplicissimum 787; socium 529; spiculisporum 379, 383,

787; spinulosum 787; steckii 787; thomii 655, 787, 804, 895, 896; variabile 787; vermiculatum 787, 803; verruculosum 787; waksmani 787

Peniophora 534, 542, 544; byssoides 542; dryina 541, 543

Perichaena depressa 439

Peridermium appalachianum 896-898 Peritrichospora 477, 480, 507; integra 477, 478, 503, 507, 508; lacera 507,

Peronospora parasitica 383 Pestalotia 193, 787; guepini 787 Petersenia lobata 393, 394, 399; pollagaster 394

Peyronellula 306; mirabilis 193 Peziza subg. Burcardia 105; ser. Lachnea subg. Rhizopodella 109; subg. Plectania 109; aeruginascens 858, 859; aeruginea 858; anomala y poriae-formis 688; bulgarioides 855, 860-862; campylospora 109, 110; chlorascens 859; poriaeformis 688; pruinata 688; pustulata 280; rhytidia 110; rufofusca 862; strobilina 861; tephrosia 688; tuberosa b. strobilina 861; versi-

formis 860 Pezizella lythri 288, 363

Phacidiella 226; coniferarum 227, 229, 233, 235-237; discolor 227, 233, 236-238

Phacidiopycnis 227, 233, 236. 238: malorum 235, 238; pseudotsugae 229, 230-233, 235

Phacidium 237, 238; discolor 237 Phaeobulgaria 102, 105; inquinans 103 Phaeoporotheleum 683

Phaeoseptoria calamagrostidis 840; festucae 840: phalaridis 840

Phaesolenia 680, 682 Phaeosphaeria 907

Phallus formosanus 157, 158

Pharcidia 485, 522; balani 485; coral-linarum 523; marina 487, 520, 522; pelvetiae 487, 522

Phialea eustrobilina 861; strobilina 855,

Phialophora 326; curvula 328; hortai 777; verrucosa 321-323, 325-328, 777 Phleospora filipendula 265; idahoensis 842, 845; salicifoliae 265

Phlyctidium 396; brevipes var. brevipes 395; brevipes var. marinum 393, 395,

Phoma 782, 787, 789, 845; condiogena

Phomopsis 226; lokoyae 227; pseudotsugae 226, 227, 230, 231; strobi 226, 227, 230, 231

Phycomyces blakesleeanus 360, 362, 382 Phyllachorella 380, 479; oceanica 480

Phyllosticta 430, 841, 842; ilicicola 442, 443; rosarum 99

Phymatotrichum 142; omnivorum 141 Physalospora 287, 443, 520; coralli-narum 522; ilicis 442; obionis 523; obtusa 443

Physoderma 298, 426, 429; dulichii 298; graminis 839; heleocharidis 299; maydis 427; menyanthis 427, 429; pluriannulatum 426; schroeteri 299

Phytophthora 363, 383; cactorum 362; cinnamomi 362, 783, 784, 802, 805; fragariae 362; infestans 383; palmivora 362

Pilacre faginea 288

Pilobolus 383, 385, 386 Piptocephalis 374, 380, 385; freseniana 374, 376, 379; tieghemiana 374, 382, 383; virginiana 374; xenophila 374, 376, 379, 382-384 Pirella 247

Piricularia oryzae 13 Pityrosporum ovale 598

Placostroma 479-481; laminariae 480, 481; pelvetiae 480, 481

Plagiostoma 756; carpinicola 758; petiolicola 758; populi 757, 759, 760 Plagiostomella 758, 759; carpinicola

759 Platygloea 667

Plectania 104, 107; sect. Curvatisporae 104, 109, 110; sect. Plectania 109; sect. Plicosporae 109, 110; campylospora 110; cyttarioides 110; mela-stoma 108, 109; nannfeldtii 109; nigrella 109; rhytidia 110

Pleosphaerulina 83, 89, 90; briosiana 90; corticola 85, 90; rosae 89; rosicola 89, 90, 93; sepincola 83, 90

Pleospora 91, 93, 345, 347, 352, 479, 490, 491; dietziana 491; gaeumannii 85; laminariana 490; maritima 490, 491; pelagica 490, 491; pelvitiae 490, 491; vagans 847

Pleurage 327; curvula 326, 327; zygospora 326, 327

Plicaria fulva 280

Polyporus 33; trib. Porotheleum 682; cinnabarinus 383; chrysobaphus 210; 212; fatiscens 684; eurocephalus pineus 222, 224; subtile 684; sul-phureus 212, 363, 623; tulipiferae 363; versicolor 363; xylostromatoides 686

Pontisma 399

Poria 682, 683; atrosporia 222, 224; fatiscens 644; fimbriata 684; pinea 222; vaporaria 633; xylostromatoides

Porogramme 683

Porotheleum 680; subg. Phaeoporotheleum 691; subg. Porotheleum 684;

subg. Stigmatolemma 683, 687; bombycinum 687, 692; cubense 686, fimbriatum 681, 682, 684; huia 691; lacerum 684; leucobombycinum 684, 686; papillatum 685; perenne 684, 687; poriaeforme 681, 683, 687, 688, 691; revivescens 681, 691; rugosum 684, 686; subiculosum 684, 685

Porothelium 680; cinereum 688; confusum 692; friesii 684; fulvum 692; griseum 690; hydnoideum 684; in-canum 688, 690; papillatum 684; pruinatum 688; subtile 684; tenue 688; vaillantii 684

Pringsheimia 83, 88; rosarum 88, 89,

91; sepincola 83, 91, 93 Protomyces 44; inouyei 44-50, 53; ixeridis-oldhami 47; lactucae-debilis 45-50, 53; macrosporus 44; pachydermus 44-50, 52, 53

Protomycopsis 44 Pseuroarachniotus 694, 703-705; citrinus 698, 699, 705; roseus 695, 697, 700, 705

Pseudofarinaceus 545-547 Pseudomonas fluorescens 35, 159, 446 Pseudomonilia matalensis 827

Pseudomycoderma matalense 827 Pseudonectria 796; diparietospora 784,

Pseudophacidium 237; ledi 237 Pseudoplea 83; briosiana 93; gaeumannii 84, 85

Pseudoseptoria 193

Puccinia 343, 344, 347, 352, 864; ant-arctica 865; coronata 843; distichlidis 844; glumarum 842, 843; graminis f. sp. tritici 30, 343; magellanica 865, 867; mirabilissima 870; montanensis 843; naumanniana 865; pattersoniana 844; recondita 343; rubigo-vera 843; rubigo-vera f. sp. tritici 343; stolpiana 867; texana 868

Pullularia 349; pullulans 787

Pyrenochaeta 115, 238; furfuracea 238; glycines 115, 116

Pythium 355, 360, 363, 383, 782, 784; arrhenomanes 362; butleri 360, 362, 365, 369; debaryanum 357, 358, 362–365, 369, 371, 372; graminicolum 363; irregulare 362; oligandra 362; splendens 359, 360, 362; ultimum 362, 363, 784; vexans 362

Remispora 480, 495, 500; lobata 500, 501; maritima 500, 501

Rhabdospora 844

Rhinotrichum 280, 282 Rhipidium americanum 161

Rhizina thwaitesii 108 Rhizoctonia 354, 803; solani 354, 803 Rhizophydium 393, 395, 396, 399; codicola 396; polysiphoniae 392; verrucosum 396

Rhizopodella 108, 109

Rhizopous 240, 241, 244, 245, 248, 357, 362–365, 371, 372, 781, 801, 802; arrhizus 784, 802; elegans 241, 244, 247; nigricans 355, 357–360, 362, 366, 382, 784, 802

Rhodotorula 50, 379, 383

Rhynchosporium orthosporum 852; se-calis 847, 852 Rhytisma 238

Roesleria 417

Rosellinia 479, 492; laminariana 492

Rutstroemia 855

Ryparobius 882; crouani 882

Saccharomyces 598; cerevisiae 33, 383, 440; fragilis 33; rouxii 33 Saccothecium 83; corni 87, 91; saepincola 83, 84, 87, 89, 91 Saksenaea 247

Salmonella gallinarum 316; typhimurium 316

Samarospora 483 Samarosporella 479, 483; pelagica 483

Sarcoscypha 108, 109; coccinea 108 Sarcosoma 102, 107, 108; cyttarioides 109, 110; globosum 103-105; globosum var. platydiscus 103; javanicum 104, 107, 108; rhytidia 107; turbina-tum 107, 110

Sartorya 651; fumigata 651 Saturnomyces 306; humicola 190, 306 Schizophyllum commune 363, 784, 803

Sclerodothis sepincola 91 Sclerotinia sclerotiorum 363

Sclerotum 787; bataticola 787; rhizoides 852; rolfsii 787

Scolecobasidium constrictum 787 Scolecotrichum graminis 851 Scopulariopsis 192, 529

Sebacina 118, 121, 669; subg. Bourdotia 119, 120, 122; subg. Eusebacina 119; subg. Heterochaetella 121; sect. Hirneolina 119; caesia 118; crystallina 121; dubia 119, 121; epigea 122; fugacissima 123; galzinii 122; helvelloides 122; incrustans 118, 120-122; laciniata 118; laciniata subsp. caesia 118; molybdea 123; podlachica 123; prolifera 123; sublilacina 123

Selenophoma 843, 845; bromigena 845, 847; donacis 845, 846; donacis var. linearis 845; donacis var. stomaticola 845, 847, 851; everhartii 845-848; ob-

tusa 845-847

Sepedonium chrysospermum 787 Septogloeum oxysporum 849-851 Septoria 345, 347, 348, 352, 417; alopecuri var. calamagrostidis 840; avenae 842, 843; avenae f. sp. triticea 843; elymi 843; infuscans 848; macropoda var. grandis 841; macropoda var. septulata 841; melicae 842; nodorum 842; passerinii 844; poliomela 844;

salicifoliae 265; spartinae 842, 844; tenella 841, 842
Serpula 197, 198, 542, 544; americana 208; atrovirens 202, 216; byssoidea 202, 217; chlorina 202, 219; crassa 202, 218; destruens 201; erecta 201, 216; eurocephala 199, 202, 206, 212, 213, 218-220, 541-543; fusca 202, 218; fuscescens 202, 219; hex-218; fuscescens 202, 219; hexagonoides 202, 217; illudens 202, 214, 216; imperfecta 202, 215; incrassata 222; lacrimans 197, 198, 200, 205, 206, 541-543; lacrimans var. carbonaria 201, 209; lacrimans var. himantioides 199-201, 207; lacrimans var. lacrimans 199-202; pinastri 199, 202, 206, 210, 212, 214, 219, 220, 541-543; rufa var. pinicola 222; rugospora 201, 214

Sirobasidium 250; subg. Sirodidymia 253; albidum 250, 251; brefeldianum 250, 251; brefeldianum fa. microsporum 253; magnum 254; sanguineum

250-253

Sirolpidium bryopsidis 393, 394, 399

Sistotrema cellare 202

Solenia 680-683, 692; crustosa 690; fasciculata 692; grisella 688; grisella var. theleporus 690; huia 691; incana 692; poriaeformis 688; poriaeformis var. urceolata 688; porioides 688, 690; subporiaeformis 688, 689; tephrosia 688; urceolata 688

Sordaria 346, 352, 520; fimicola 183, 363, 784

Sorosporium capillipedii 257, 258; mnesitheae 257, 258

Spermospora subulata 841, 850, 851 Sphaceloma 97, 98, 100, 277-279; euonymi-japonici 98; hederae 95, 98-100; rosarum 99

Sphacelotheca arthraxonis 259; capil-lipedii 257; digitariae-pedicellaris 259; diplospora 259; sorghi 343

Sphaeria albopunctata 494; biturbinata 91; corticola 85, 88–90, 92; fuscella 87, 88, 92; gardineri 87, 88; incarcerata 494; intermixta 87–90, 92; littoralis 522; maritima 481, 494; obionis 523; posidoniae 492; saepincola 83, 86-92; subsalsa 520; vibratilis 88 Sphaeropsis 287

Sphaerospora 831; brunnea 833; patagonica 833; tuburculata 831, 832,

834, 835

Sphaerulina 93, 479, 490; intermixta 89, 90; orae-maris 490; pedicellata 490; saepincola 83, 89

Spicaria carnosa 787, 799, 800; violacea 172, 787, 800

Spilocaea 875; pomi 875

Sporidesmium 370 Sporidesmium 584; folliculatum 417

Sporodinia grandis 382

Sporormia 345, 347, 352; minima 784 Sporoschisma mirabile 902

Sporotrichum 787; laxum 826; schenkii 319, 598

Stachybotrys 905; alternans 805; atra 287, 805; cylindrospora 805; subsimplex 805

Stagonospora bromi 842, 843; foliicola 843; mariae 840; simplicior 840

Staphylococcus aureus 159
Stemonitis 809, 812, 813, 815-818; fusca 809; herbatica 809; mussooriensis 128, 129; pallida 809, 814; smithii 809, 811, 814; webberi 130
Stemphylium 345-347, 352, 787
Stereum balei 622

Stereum halei 692

Sterigmatocystis antacustica 652; nidulans 650

Stigmatea 523; pelvetiae 523 Stigmatolemma 682, 683, 687; incanum 687-690

Stigmea 523; pelvetiae 523

Streptomyces 347 Streptotheca 879; boudieri 882; crouani 881, 882; obscura 881; psychrophila 879-882; woolhopensis 881

Stromatoscypha 682, 683; fimbriata 684 Stysanus 905; medius 787 Syncephalastrum 357, 362, 371; race-

mosum 382, 784
Synchytrium 73-80, 740, 747; subg.
Eusynchytrium 752; subg. Microsynchytrium 75, 82, 743, 744, 754; subg.
Pycnochytrium 754; subg. Woroninella 74-76, 81, 82; aecidioides 74, 76, 81; athyrii 750; atylosiae 80; aureum 741, 743, 745, 746, 748, 753, 754; cassiae 75; citrinum 81; cruciferarum 747, 748; crustaceum 75; cupulatum 747, 748; crustaceum 75; cupulatum 750; davisi 742, 744, 745, 754; decipiens 73, 75, 76, 78, 79, 81, 82; dendriticum 747; dolichi 78; drabae 747; echin 750; echinulatum 742, 743, 744, 754; fulgens 73, 744, 754; fulgens var. decipiens 73, 76, 81; geranii 743; globosum 743; helianthemi 749, 750; helianthemum 750; infestans 746, 747; innominatum 752; johansonii 743; 183 | Johanson 743; Johanson 743; Jacunosum 747; Jagerheimii 74, 75, 82; Jepidii 746-748; Jinariae 740-743, 754; Jinderniae 743; macrosporum 747; marginale 75; musicola 750; myosotidis 750, 753, 754; namae 750;

nyctanthidis 750; parksii 75; potentillae 750, 753; punctatum 750; pyriforme 750; rubrocinctum 750; scirpi 750; shawii 750; shuteriae 75; succisae 751; taraxaci 752; vignicola 78; vulgatum 752, 753; zorniae 75

Talaromyces 656, 658, 704, 705; spiculisporus 704

Tapesia poriaeformis 688; pruinata 688 Taphridium 44

Taphrina 51-53; cerasi 50; communis 50; wiesneri 50

Teleporus 690

Thallassoascus tregoubovii 484 Thamnidium 240, 362; elegans 379, 382 Theleporus 683; cinereus 690; cretaceus

683, 688; griseus 688 Thielavia 782; terricola 784, 803

Thraustochytrium proliferum 394, Tilletia 343, 767; asperifolia bromi-tectorum 767; caries 767; cerebrina 768; contraversa 767; decipiens 768; foetida 768; fusca 768; guyotiana 769; scrobiculata 769; tata 260; vittata var. burmannii 260

Tomentella 534 Torpedospora 477, 480, 496; radiata

477, 478, 486, **496** Torula alba 827; bergeri 326-328; geotricha 826; infirmo-miniata 53 Torulopsis 52

Trailia 480, 482, 517, 893; ascophylli 517

Trechispora 534 Trematosphaeria 907

Tremella 250, 251; fusca 250, 253; pululahuana 120; undulata 254 Tremellidium 902

Tremellodendron 118, 216

Trichella 473; attenuata 473 Tricholoma 33

Trichometasphaeria 907 Trichophyton 178, 401; gypseum 178; mentagrophytes 178-180, 401, 409, 410, 772, 776, 777; rubrum 178, 776;

sulphureum 409; tonsurans 410; terrestre 401-409; terrestre primum 178 Trichoderma 801, 802; koningi 804; lig-norum 363, 368, 370, 804; viride 379,

787, 791, 793, 801, 804 Trichosporon matalense 827 Trichothecium 787; arrhenopum 363

Trichurus terrophilus 787 Tridentaria implicans 383 Tryblidiella 288

Tuburcinia penniseti 256, 258

Tubifera microsperma 131; papillata 131, 132

Tulasnella 251, 663, 668-673; albida 672, 674; allantospora 667, 672, 675; aggregata 673, 677; araneosa 672, 674;

Vararia 534

Venturia 346-348, 352

bifrons 663, 670, 672, 674; calospora 667, 672, 673, 676; caroliniana 665, 670, 673, 676; conidiata 672, 675; cystidiophora 673, 678; fuscoviolacea 672, 675; griseo-rubella 673, 677; guttulata 664, 666, 670, 673; hyalina 673, 678; lactea 672, 674; lilacina 671; pacifica 664, 665-667, 677; papillata 672, 676; pinicola 673, 677; prutilans 672, 674, 690; rogersii 673, 677; rutilans 672, 675; sphaerospora 667, 672, 673; traumatica 673, 677; tremelloides 672, 676; violacea 672, 675; violea 663, 669, 672, 675;

Uredo aecidioides 73, 74, 82; peckii 73; stolpiana 867
Urnula platensis 110
Urocystis agropyri 769; fraseri 770
Uromyces 344; obscurans 79; sanguinea 870, 872
Urophylctis 426, 429
Uropyxis 864; antarctica 864, 865; sanguinea 864, 870; naumanniana 865; stolpiana 864, 867; texana 864, 868, 869; wootoniana 864, 872
Ustilago 343, 346–348, 351; bullata 770, 846; hordei 343; jacksonii 770; macrospora 770; maydis 343; tritici 343; spegazzinii var. agrestis 770; striiformis 771, 848

Verticillium 56, 531, 532, 805 Voeltzkowiella 104, 105 Volkaria 44, 193, 194 Volutiana 193, 194 Volvaria 545-547; alabamensis alachuana 568; avellanea 548, 549, 575; bakeri 557; bombycina 558; canalipes 549; cinerea 549, 576; concinna 548, 549, 575, 576; cubensis 564; earleae 558; earlei 550; emendatior 553; fimetaria 565; flaviceps 560; floridana 553; gloiocephala 556; griseiceps 565; hypopithys 572, 573; hypopithys subsp. loveiana 574; jamaicensis 557: loveiana 574: parvula 570; peckii 562; perplexa 572, 574; plumulosa 572, 573; primulina 577; pubescentipes 572; pubipes 572; pusilla 570; speciosa 553, 556; striatula 570; speciosa 553, 556; striatula 570, 571; submyochroa 549, 575, 576; surrecta 574; taylori 565; umbonata

570–572; villosavolva 567; virgata 563; viscosa 548, 575, 577; volvasea 563

Sos Volvariella 545; alabamensis 548, 552, 553; alachuana 549, 568, 569; argentina 546, 548; bakeri 548, 551, 557, 558; bombycina 548, 558, 560, 563; bombycina var. bombycina 549, 558, 561; bombycina var. flaviceps 549, 551, 560; canalipes 548, 549, 551; cubensis 549, 561, 564, 565; earlei 548, 550, 551; hypopithys 549, 569, 572, 574; jamaicensis 548, 557; lepiotospora 549, 566; parvula 570; peckii 549, 561, 562, 563; plumulosa 572; pubescentipes 572; pusilla 549, 569, 570, 574; smithii 549, 568, 569; speciosa 555, 563; speciosa var. gloiocephala 548, 556, 557; speciosa var. speciosa 548, 551, 553, 556, 557; surrecta 549, 569, 574, 575; taylori 549, 561, 564–566; villosavolva 549, 567; volvacea 549, 561, 563, 565, 566; Volvariopsis 545–547; alabamensis 552;

Volvariopsis 545–547; alabamensis 552; alachuana 568; bakeri 557; bombycina 558; canalipes 549; concinna 576; cubensis 564; earleae 558–560; earlei 550; fimetaria 565, 566; floridana 553, 555; griseiceps 565; jamaicensis 557; peckii 562; perplexa 572; pubbscentipes 572; pusilla 570; speciosa 553; submyochroa 576; umbonata 570; villosavolva 567; viscosa 577; volvacea 563

Wettsteinina 93

Xanthoconium stramineum 709
Xenosporella 585, 587; berkeleyi 581; rosea 587; thaxteri 587
Xerocomus pseudoboletinus 708
Xylaria 112; apiculata 114; arbuscula 114; graminicola 112, 114; hypoxylon 114; multipartita 112, 113; multiplex 114; rhizophila 112, 114
Xylocladium clautriavii 765
Xylomyzon 201; croceum 207; destruens 202; taxicola 210; versicolor 202, 207
Xylophagus 201; lacrymans 202

Zignoella 480, 519; calospora 519; cubensis 519; enormis 519 Zygorhynchus 362, 802; vuillemini 382, 784

TABLE OF CONTENTS

No. 1 JANUARY-FEBRUARY

| Basidiobolus and Cercospora from human infections, C. W. Emmons, Lie- Kian-Joe, Njo-Injo Tjoei Eng, A. Pohan, S. Kertopati and A. Van | |
|--|-----|
| DER MEULEN | 1 |
| Effect of temperature and nutrition upon macroconidial formation of Micro- | |
| sporum audouini, Elizabeth L. Hazen | 11 |
| Variation in cultural conditions and its effect on hyphal fusion in Corticum | |
| vellereum, R. J. Bourchier | 20 |
| Physiological and genetic adaptability in the fungi, Alfred S. Sussman | 29 |
| Biological and cultural studies of three species of Protomyces, K. Tubaki | 44 |
| Observations on Gymnoascaceae. IV. A new species of Arachniotus and a reconsideration of Arachniotus trisporus, HAROLD H. KUEHN | 55 |
| A further study of Karling's keratinophilic organism, Frederick M. Rothwell | 68 |
| Synchytrium decipiens and similar species, John S. Karling | 73 |
| The genera Saccothecium, Pringsheimia, Pleosphaerulina and Pseudoplea, L. | |
| E. Wehmeyer | 83 |
| Studies in the Myriangiales. VII. Elsinoaceae on evergreen Euonymus, rose and English ivy, Anna E. Jenkins and A. A. Bitancourt | 95 |
| Nomenclatural Notes. II. On Bulgaria, Phaeobulgaria and Sarcosoma, Rich- | |
| ARD P. KORF | |
| Two bulgarioid genera: Galiella and Plectania, RICHARD P. KORF | 107 |
| A new species of Xylaria, Julian H. Miller and L. W. Nielsen | 112 |
| An undescribed species of Pyrenochaeta on soybean, Robert B. Stewart | 115 |
| The genus Sebacina, Marion D. Ervin | |
| Myrothecium roridum on Gardenia, Charles L. Fergus | 124 |
| The Myxomycetes of the Mussoorie Hills. IV, G. W. MARTIN, K. S. THIND | |
| AND H. S. SOHI | |
| Charles Thom 1872-1956, KENNETH B. RAPER | 134 |
| Edward M. Gilbert 1875-1956, M. P. BACKUS AND H. C. GREENE | 151 |
| Notes and Brief Articles | 156 |
| Financial Report | 164 |
| Reviews | 165 |
| No. 2. MARCH-APRIL | |
| Fundamentals in mycology, WILLIAM W. DIEHL | 167 |
| Fatty acids as carbon sources for the growth of Spicaria violacea, G. T. | |
| Johnson | 172 |

| The isolation of dermatophytes from the atmosphere of caves, H. I. LURIE | |
|---|-----|
| AND M. WAY | |
| Heterothallism, heterokaryosis, and inheritance of brown perithecia in Cerato- | |
| stomella radicicola, Arif S. El-Ani, L. J. Klotz and W. D. Wilbur | |
| Fungi isolated from soil, John B. Routien | |
| The genera Serpula and Meruliporia, Wm. Bridge Cooke | 197 |
| A new species of Phacidiella causing the so-called Phomopsis disease of | |
| conifers, Glenn Gardner Hahn | |
| The genus Actinomucor, Chester R. Benjamin and C. W. Hesseltine | |
| The spores and basidia of Sirobasidium, R. J. BANDONI | |
| Ustilaginales of Bihar. III. Some new and interesting smuts, J. N. MISHRA | |
| Cylindrosporium leafspot of Spiraea, Charles L. Fergus | |
| Occurrence of mycorrhiza on some Indian conifers, B. K. BAKSHI | |
| Notes on Longula texensis var. major, Paul R. Harding, Jr | |
| Elsinoë on southern red oak, Julian H. Miller | |
| Is Mycotypha a phycomycete? F. A. Wolf | |
| Cornelius Lott Shear, John A. Stevenson | 283 |
| Notes and Brief Articles | 298 |
| Reviews | 301 |
| | |
| No. 3. MAY-JUNE | |
| The perfect stage of an antibiotic-producing Cephalosporium, JAMES H. | |
| GROSKLAGS AND MARJORIE E. SWIFT | 305 |
| The parasitic phase of the fungi of chromoblastomycosis: development of | |
| sclerotic cells in vitro and in vivo, Margarita Silva | 318 |
| Routine identification of Candida albicans: current methods and a new medium, | |
| CLAIRE L. TASCHDJIAN | |
| Quantitative studies of fungus spores in the air, S. M. PADY | |
| Rhizoctonia solani as a parasite of fungi, Edward E. Butler | 354 |
| Mode of parasitism and host range of Piptocephalis virginiana, Charles R. | |
| Berry and H. L. Barnett | 374 |
| A nematode-capturing phycomycete forming chlamydospores terminally on lateral branches, Charles Drechsler | 387 |
| Marine Fungi. III. Phycomycetes, T. W. Johnson, Jr | |
| A new species of Trichophyton from New South Wales, E. Beatrix Durie | |
| AND DOROTHEA FREY | 401 |
| Cercospora leafspot of Photinia serrulata, Louis Anzalone and A. G. | |
| PLAKIDAS | 412 |
| Conidial stage of the lichen fungus Buellia stillingiana and its relation to | |
| Sporidesmium folliculatum, Mason E. Hale, Jr | |
| Perithecial initials of Chaetomium, W. C. WHITESIDE | 120 |

| Observations on chytridiaceous parasites of phanerogams. VI. Resting spore germination in Physoderma (Urophlyctis) pluriannulatum, Frederick K. | |
|---|-----|
| Sparrow | |
| Leaf blight and stem dieback of coffee caused by an undescribed species of Ascochyta, Robert B. Stewart | |
| Benjamin Minge Duggar: 1872-1956, G. W. Keitt | |
| Notes and Brief Articles | |
| Reviews | |
| No. 4. July-August | |
| Microbiological production of carotenoids. I. Zygospores and carotene produced by intraspecific and interspecific crosses of Choanephoraceae in liquid media, C. W. HESSELTINE AND R. F. ANDERSON | 449 |
| Studies on the synthesis of alpha-amylase and free amino acids by mutants of | |
| Aspergillus oryzae, Ho Sik Kim, W. F. Geddes and J. E. DeVay | 453 |
| Enterobryus attenuatus from the passalid beetle, Robert W. Lichtwardt | 463 |
| Taxonomy of marine pryenomycetes, SAMUEL P. MEYERS | 475 |
| The perfect stage of Gliocladium roseum, Eugene B. Smalley and H. N. | |
| HANSEN | 529 |
| Studies in Coniophora. I. The basidium, PAUL L. LENTZ | 534 |
| Volvariella in North America, Robert L. Shaffer | 545 |
| Index to the Helicosporae: Addenda, ROYALL T. MOORE | 580 |
| Hypoxylon punctulatum and its conidial stage on dead oak trees and in culture, | |
| H. L. Barnett | 588 |
| Rhoda Williams Benham. 1894-1957, Margarita Silva and Elizabeth L. Hazen | 596 |
| Notes and Brief Articles | |
| Reviews | |
| Reviews | 007 |
| No. 5. September-October | |
| Physiology of the cell surface of Neurospora ascospores. III. Distinction between the adsorptive and entrance phases of cation uptake, R. J. Lowry, A. S. Sussman and B. von Böventer | 609 |
| Acidic metabolic products of Polyporus sulphureus, WILLIAM R. BUSHNELL | |
| The inactivation of pyridinethione, an antifungal agent, by glucose, SAMUEL M. RINGEL AND E. S. BENEKE | |
| Nomenclature in Aspergillus and Penicillium, Kenneth B. Raper | |
| Tulasnellaceae of Tahiti. A revision of the family, Lindsay S. Olive | |
| The Porotheleaceae: Porotheleum, Wm. Bridge Cooke | |
| Observations on Gymnoascaceae. V. Developmental morphology of two | |
| species representing a new genus of the Gymnoascaceae, HAROLD H. | |
| Kuehn | 94 |

TABLE OF CONTENTS

| The agaric flora of Texas. I. New species of agarics and boletes, HARRY D. THIERS | 707 |
|--|---|
| Notes on the Choanephoraceae, C. W. HESSELTINE AND C. R. BENJAMIN 7 | |
| An Enterobryus occurring in the milliped Scytonotus granulatus (Say), Robert W. Lichtwardt | 734 |
| New and unidentified species of Synchytrium. V, John S. Karling 7 | |
| A new species of Plagiostoma associated with a leaf disease of hybrid aspens, | |
| EDITH K. CASH AND ALMA M. WATERMAN 7 | 56 |
| An irregular and unusual formation of mycelial mats by Ceratocystis fagacearum, Charles L. Fergus and William J. Stanbaugh | 761 |
| Some new grass smut records from the western states. III, JACK P. MEINERS | |
| AND GEORGE W. FISCHER 7 | 67 |
| Notes and Brief Articles | 72 |
| Reviews 7 | 76 |
| No. 6. November-December | |
| A survey of the fungi of forest and cultivated soils of Georgia, J. H. MILLER, J. E. GIDDENS AND A. A. FOSTER | 79 |
| Capillitial formation in the Stemonitaceae, IAN K. Ross | 09 |
| Geotrichum candidum, J. W. CARMICHAEL 8 | 20 |
| | 120 |
| The Pezizaceae of the Mussori hills (India). V, K. S. Thind, Edith K. Cash and J. S. Sethi | |
| | 331 |
| Cash and J. S. Sethi | 31 |
| CASH AND J. S. SETHI | 331 337 354 |
| CASH AND J. S. SETHI | 331 337 354 364 |
| CASH AND J. S. SETHI | 331 337 354 364 374 |
| CASH AND J. S. SETHI | 331 337 354 364 374 379 |
| Cash and J. S. Sethi | 331 337 354 364 374 379 384 |
| CASH AND J. S. SETHI | 331 337 354 364 374 379 384 |